

Serial Number: 09/383,551B

CRF Processing Date: 5/30/2001
 Edited by: AE
 Verified by: AE (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING

DATE: 06/25/2001

PATENT APPLICATION: US/09/383,551B

TIME: 18:53:16

Input Set : A:\Pto.amc

Output Set: N:\CRF3\06142001\I383551B.raw

P.5

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3 <110> APPLICANT: Tamatani, Takuya
4   Tezuka, Katsunari
6 <120> TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
7   ADHESION AND SIGNAL TRANSMISSION
10 <130> FILE REFERENCE: 06501-039001
12 <140> CURRENT APPLICATION NUMBER: US 09/383,551B
13 <141> CURRENT FILING DATE: 1999-08-26
15 <150> PRIOR APPLICATION NUMBER: PCT/JP98/00837
16 <151> PRIOR FILING DATE: 1998-02-27
18 <150> PRIOR APPLICATION NUMBER: JAPAN 09-62290
19 <151> PRIOR FILING DATE: 1997-02-27
21 <150> PRIOR APPLICATION NUMBER: JAPAN 10-62217
22 <151> PRIOR FILING DATE: 1998-02-26
24 <160> NUMBER OF SEQ ID NOS: 26
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 600
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo sapiens
33 <220> FEATURE:
34 <221> NAME/KEY: CDS
35 <222> LOCATION: (1)...(597)
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40 1          5          10          15
42 gtt tta aca gga gaa atc aat ggt tct gcc aat tat gag atg ttt ata      96
43 Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile
44          20          25          30
46 ttt cac aac gga ggt gta caa att tta tgc aaa tat cct gac att gtc      144
47 Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
48          35          40          45
50 cag caa ttt aaa atg cag ttg ctg aaa ggg ggg caa ata ctc tgc gat      192
51 Gln Gln Phe Lys Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp
52          50          55          60
54 ctc act aag aca aaa gga agt gga aac aca gtg tcc att aag agt ctg      240
55 Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
56 65          70          75          80
58 aaa ttc tgc cat tct cag tta tcc aac aac agt gtc tct ttt ttt cta      288
59 Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
60          85          90          95
62 tac aac ttg gac cat tct cat gcc aac tat tac ttc tgc aac cta tca      336
63 Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
64          100          105          110
66 att ttt gat cct cct cct ttt aaa gta act ctt aca gga gga tat ttg      384
67 Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
68          115          120          125

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/383,551B

DATE: 06/25/2001

TIME: 18:53:16

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Output Set: N:\CRF3\06142001\I383551B.raw

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70 cat att tat gaa tca caa ctt tgt tgc cag ctg aag ttc tgg tta ccc      432
71 His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
72      130                      135                      140
74 ata gga tgt gca gcc ttt gtt gta gtc tgc att ttg gga tgc ata ctt      480
75 Ile Gly Cys Ala Ala Phe Val Val Val Cys Ile Leu Gly Cys Ile Leu
76 145                      150                      155                      160
78 att tgt tgg ctt aca aaa aag aag tat tca tcc agt gtg cac gac cct      528
79 Ile Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro
80                      165                      170                      175
82 aac ggt gaa tac atg ttc atg aga gca gtg aac aca gcc aaa aaa tct      576
83 Asn Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser
84                      180                      185                      190
86 aga ctc aca gat gtg acc cta taa      600
87 Arg Leu Thr Asp Val Thr Leu
88      195
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92 <211> LENGTH: 199
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 2
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98 1                      5                      10                      15
99 Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile
100      20                      25                      30
101 Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
102      35                      40                      45
103 Gln Gln Phe Lys Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp
104      50                      55                      60
105 Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
106 65                      70                      75                      80
107 Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
108      85                      90                      95
109 Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
110      100                      105                      110
111 Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
112      115                      120                      125
113 His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
114      130                      135                      140
115 Ile Gly Cys Ala Ala Phe Val Val Val Cys Ile Leu Gly Cys Ile Leu
116 145                      150                      155                      160
117 Ile Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro
118      165                      170                      175
119 Asn Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser
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121 Arg Leu Thr Asp Val Thr Leu
122      195
124 <210> SEQ ID NO: 3
125 <211> LENGTH: 2610
126 <212> TYPE: DNA

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RAW SEQUENCE LISTING

DATE: 06/25/2001

PATENT APPLICATION: US/09/383,551B

TIME: 18:53:16

Input Set : A:\Pto.amc

Output Set: N:\CRF3\06142001\I383551B.raw

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130 <221> NAME/KEY: CDS
131 <222> LOCATION: (26)...(622)
133 <400> SEQUENCE: 3
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135                               Met Lys Ser Gly Leu Trp Tyr Phe Phe
136                               1           5
138 ctc ttc tgc ttg cgc att aaa gtt tta aca gga gaa atc aat ggt tct      100
139 Leu Phe Cys Leu Arg Ile Lys Val Leu Thr Gly Glu Ile Asn Gly Ser
140 10           15           20           25
142 gcc aat tat gag atg ttt ata ttt cac aac gga ggt gta caa att tta      148
143 Ala Asn Tyr Glu Met Phe Ile Phe His Asn Gly Gly Val Gln Ile Leu
144           30           35           40
146 tgc aaa tat cct gac att gtc cag caa ttt aaa atg cag ttg ctg aaa      196
147 Cys Lys Tyr Pro Asp Ile Val Gln Gln Phe Lys Met Gln Leu Leu Lys
148           45           50           55
150 ggg ggg caa ata ctc tgc gat ctc act aag aca aaa gga agt gga aac      244
151 Gly Gly Gln Ile Leu Cys Asp Leu Thr Lys Thr Lys Gly Ser Gly Asn
152           60           65           70
154 aca gtg tcc att aag agt ctg aaa ttc tgc cat tct cag tta tcc aac      292
155 Thr Val Ser Ile Lys Ser Leu Lys Phe Cys His Ser Gln Leu Ser Asn
156           75           80           85
158 aac agt gtc tct ttt ttt cta tac aac ttg gac cat tct cat gcc aac      340
159 Asn Ser Val Ser Phe Phe Leu Tyr Asn Leu Asp His Ser His Ala Asn
160 90           95           100          105
162 tat tac ttc tgc aac cta tca att ttt gat cct cct cct ttt aaa gta      388
163 Tyr Tyr Phe Cys Asn Leu Ser Ile Phe Asp Pro Pro Pro Phe Lys Val
164           110          115          120
166 act ctt aca gga gga tat ttg cat att tat gaa tca caa ctt tgt tgc      436
167 Thr Leu Thr Gly Tyr Leu His Ile Tyr Glu Ser Gln Leu Cys Cys
168           125          130          135
170 cag ctg aag ttc tgg tta ccc ata gga tgt gca gcc ttt gtt gta gtc      484
171 Gln Leu Lys Phe Trp Leu Pro Ile Gly Cys Ala Ala Phe Val Val Val
172           140          145          150
174 tgc att ttg gga tgc ata ctt att tgt tgg ctt aca aaa aag aag tat      532
175 Cys Ile Leu Gly Cys Ile Leu Ile Cys Trp Leu Thr Lys Lys Lys Tyr
176           155          160          165
178 tca tcc agt gtg cac gac cct aac ggt gaa tac atg ttc atg aga gca      580
179 Ser Ser Ser Val His Asp Pro Asn Gly Glu Tyr Met Phe Met Arg Ala
180 170          175          180          185
182 gtg aac aca gcc aaa aaa tct aga ctc aca gat gtg acc cta      622
183 Val Asn Thr Ala Lys Lys Ser Arg Leu Thr Asp Val Thr Leu
184           190          195
186 taatatggaa ctctggcacc caggcatgaa gcacgttggc cagttttcct caacttgaag      682
187 tgcaagattc tcttatttcc gggaccacgg agagtctgac ttaactacat acatcttctg      742
188 ctggtgtttt gttcaatctg gaagaatgac tgtatcagtc aatggggatt ttaacagact      802
189 gccttggtac tgccgagtcc tctcaaaaca aacaccctct tgcaaccagc tttggagaaa      862
190 gccacagctcc tgtgtgctca ctgggagtggt aatccctgtc tccacatctg ctccatgacg      922

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RAW SEQUENCE LISTING

DATE: 06/25/2001

PATENT APPLICATION: US/09/383,551B

TIME: 18:53:16

Input Set : A:\Pto.amc

Output Set: N:\CRF3\06142001\I383551B.raw

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191 tgcacagcc agtaaaacaa acacatttac aagaaaaatg ttttaaagat gccaggggta 982
192 ctgaatctgc aaagcaaagt agcagccaag gaccagcatc tgtccgcatt tcactatcat 1042
193 actacctctt ctttctgtag gggtgagaat tctcttttta atcagtcaag ggagatgctt 1102
194 caaagctggr gctattttat ttctgagatg ttgatgtgaa ctgtacatta gtacatactc 1162
195 agtactctcc ttcaattgct gaaccccgat tgaccatttt accaagactt tagatgcttt 1222
196 cttgtgccct caattttctt tttaaaaata cttctacatg actgcttgac agcccaacag 1282
197 ccactctcaa tagagagcta tgtcttacat tctttcctct gctgctcaat agttttatat 1342
198 atctatgcat acatatatac acacatatgt atataaaatt cataatgaat atatttgcct 1402
199 atattctccc tacaagaata tttttgctcc agaaagacat gttcttttct caaattcagt 1462
200 taaaatgggt tactttgttc aagtttagtg taggaaacat tgcccgggat tgaaagcaaa 1522
201 tttawtttat tctctatatt tctaccatta tctatgtttt catggtgcta ttaattacaa 1582
202 gtttagttct tttttagatg catattaaaa ttgcaaacaa aatcatcttt aatgggccag 1642
203 cattctcatg gggtagagca gaatattcat ttagcctgaa agctgcagtt actataggtt 1702
204 gctgtcagac tatacccatg gtgacctctg gcttgacagg tcaaaatggt ccccatcagc 1762
205 ctggagcagc cctccagacc tgggtggaat tccagggttg agagactccc ctgagccaga 1822
206 ggccactagg tattcttgct ccagaggct gaagtcaccc tgggaatcac agtggtctac 1882
207 ctgcattcat aattccagga tctgtgaaga gcacatatgt gtcaggggcac aattccctct 1942
208 cataaaaacc acacagcctg gaaattggcc ctggcccttc aagatagcct tctttagaat 2002
209 atgatttggc tagaaagatt cttaaatatg tggaatatga ttattcttag ctggaatatt 2062
210 ttctctactt cctgtctgca tgcccaaggc ttctgaagca gccaatgtcg atgcaacaac 2122
211 atttgtaact ttaggtaaac tgggattatg ttgtagttaa acattttgta actgtgtgct 2182
212 tatagtttac aagttagacc cgatatgtca ttatgcatac ttatattatc ttaagcatgt 2242
213 gtaatgctgg atgtgtacag tacagtacwt aacttgtaat ttgaatctag tatggtgttc 2302
214 tgttttcagc tgacttgac aacctgactg gctttgcaca ggtgttcctc gagttgtttg 2362
215 cagggtttctg tgtgtgggtt ggggtatggg gaggagaacc ttcattggtg cccacctggc 2422
216 ctggttgtcc aagctgtgcc tcgacacatc ctcaccccaa gcatgggaca cctcaagatg 2482
217 aataataatt cacaaaattt ctgtgaaatc aaatccagtt ttaagaggag ccacttatca 2542
218 aagagatttt aacagtagta agaaggcaaa gaataaacat ttgatattca gcaactgaaa 2602
219 aaaaaaaaaa 2610

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221 <210> SEQ ID NO: 4

222 <211> LENGTH: 2072

223 <212> TYPE: DNA

224 <213> ORGANISM: Rattus norvegicus

226 <220> FEATURE:

227 <221> NAME/KEY: CDS

228 <222> LOCATION: (35)...(634)

230 <400> SEQUENCE: 4

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233                               1           5
235 gtc ttt gtc ttc tgc ttc cta atc aaa ctt tta aca gga gaa ctc aat 103
236 Val Phe Val Phe Cys Phe Leu Ile Lys Leu Leu Thr Gly Glu Leu Asn
237      10           15           20
239 gac ttg gcc aat cac agg atg ttt tcg ttt cac gat gga ggt gta cag 151
240 Asp Leu Ala Asn His Arg Met Phe Ser Phe His Asp Gly Gly Val Gln
241      25           30           35
243 att tct tgt aac tac cct gag act gtc cag cag tta aaa atg cag ttg 199
244 Ile Ser Cys Asn Tyr Pro Glu Thr Val Gln Gln Leu Lys Met Gln Leu
245 40           45           50           55

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DATE: 06/25/2001

TIME: 18:53:16

Input Set : A:\Pto.amc

Output Set: N:\CRF3\06142001\I383551B.raw

247	ttc	aaa	gac	aga	gaa	gtc	ctc	tgc	gac	ctc	acc	aag	acc	aag	gga	agc		247
248	Phe	Lys	Asp	Arg	Glu	Val	Leu	Cys	Asp	Leu	Thr	Lys	Thr	Lys	Gly	Ser		
249					60					65					70			
251	gga	aac	acc	gtg	tcc	atc	aag	aat	cgc	atg	tcc	tgt	cca	tat	cag	ctg		295
252	Gly	Asn	Thr	Val	Ser	Ile	Lys	Asn	Pro	Met	Ser	Cys	Pro	Tyr	Gln	Leu		
253				75					80					85				
255	tcc	aac	aac	agt	gtc	tct	ttt	ttc	cta	gac	aac	gca	gac	agc	tcc	cag		343
256	Ser	Asn	Asn	Ser	Val	Ser	Phe	Phe	Leu	Asp	Asn	Ala	Asp	Ser	Ser	Gln		
257			90					95					100					
259	ggc	agc	tac	ttt	tta	tgc	agc	ctg	tcg	att	ttc	gac	cca	ccc	cct	ttt		391
260	Gly	Ser	Tyr	Phe	Leu	Cys	Ser	Leu	Ser	Ile	Phe	Asp	Pro	Pro	Pro	Phe		
261		105					110					115						
263	caa	gaa	aag	aac	ctt	agt	gga	gga	tat	ttg	ctt	att	tat	gaa	tcc	cag		439
264	Gln	Glu	Lys	Asn	Leu	Ser	Gly	Gly	Tyr	Leu	Leu	Ile	Tyr	Glu	Ser	Gln		
265	120					125					130					135		
267	ctt	tgt	tgc	cag	ctg	aag	ctt	tgg	tta	ccc	gta	ggg	tgt	gca	gct	ttt		487
268	Leu	Cys	Cys	Gln	Leu	Lys	Leu	Trp	Leu	Pro	Val	Gly	Cys	Ala	Ala	Phe		
269				140						145					150			
271	gtg	gca	gcg	ctc	ctt	ttt	gga	tgc	ata	ttt	atc	gtc	tgg	ttt	gca	aaa		535
272	Val	Ala	Ala	Leu	Leu	Phe	Gly	Cys	Ile	Phe	Ile	Val	Trp	Phe	Ala	Lys		
273				155					160					165				
275	aag	aag	tac	aga	tcc	agt	gtg	cac	gac	cct	aat	agc	gag	tac	atg	ttc		583
276	Lys	Lys	Tyr	Arg	Ser	Ser	Val	His	Asp	Pro	Asn	Ser	Glu	Tyr	Met	Phe		
277			170					175					180					
279	atg	gcg	gca	gtc	aac	aca	aac	aaa	aag	tcc	aga	ctt	gca	ggt	atg	acc		631
280	Met	Ala	Ala	Val	Asn	Thr	Asn	Lys	Lys	Ser	Arg	Leu	Ala	Gly	Met	Thr		
281		185					190					195						
283	tca	taatctggaa	cacgggaacc	catggaggaa	ctacactgtc	tagttccccct												684
284	Ser																	
285	200																	
287	gaaacttgaa	tggagaaagt	cttctatttt	ctggaccaca	gggcatctga	cttgattaac												744
288	tactgatacc	tocttttggk	gttttgtttg	tctggatcag	tgactatcag	tcactcgga												804
289	tttcagcaga	ctgccctggg	tttgctgagt	cctttttaagg	caaaccctt	cttatagaag												864
290	acctggctca	tatgtattca	acaaacagac	ctcactggga	tacaatcccc	tctttctgcg												924
291	cctgcttcta	gctatgcacc	ggccagcaag	acaaacatat	ctccagcatt	tttacaaaaa												984
292	tgccagggtg	tgaatctgta	aagtacacag	gcagccattg	accaccgtct	gtc												

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/383,551B

DATE: 06/25/2001

TIME: 18:53:17

Input Set : A:\Pto.amc

Output Set: N:\CRF3\06142001\I383551B.raw

L:628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
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L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
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L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/383,551B

DATE: 06/25/2001

TIME: 18:52:48

Input Set : A:\Seqlist06501-039001.txt

Output Set: N:\CRF3\06142001\I383551B.raw

**Does Not Comply
Corrected Diskette Needed**

P-2

3 <110> APPLICANT: Tamatani, Takuya
 4 Tezuka, Katsunari
 6 <120> TITLE OF INVENTION: CELL SURFACE MOLECULE MEDIATING CELL
 7 ADHESION AND SIGNAL TRANSMISSION
 10 <130> FILE REFERENCE: 06501-039001
 12 <140> CURRENT APPLICATION NUMBER: US 09/383,551B
 13 <141> CURRENT FILING DATE: 1999-08-26
 15 <150> PRIOR APPLICATION NUMBER: PCT/JP98/00837
 16 <151> PRIOR FILING DATE: 1998-02-27
 18 <150> PRIOR APPLICATION NUMBER: JAPAN 09-62290
 19 <151> PRIOR FILING DATE: 1997-02-27
 21 <150> PRIOR APPLICATION NUMBER: JAPAN 10-62217
 22 <151> PRIOR FILING DATE: 1998-02-26
 24 <160> NUMBER OF SEQ ID NOS: 26
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

828 <210> SEQ ID NO: 26
 829 <211> LENGTH: 223
 830 <212> TYPE: PRT
 831 <213> ORGANISM: Homo sapiens
 833 <400> SEQUENCE: 26
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 835 1 5 10 15
 836 Ala Arg Thr Trp Pro Cys Thr Leu Leu Phe Phe Leu Leu Phe Ile Pro
 837 20 25 30
 838 Val Phe Cys Lys Ala Met His Val Ala Gln Pro Ala Val Val Leu Ala
 839 35 40 45
 840 Ser Ser Arg Gly Ile Ala Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly
 841 50 55 60
 842 Lys Ala Tyr Glu Val Arg Val Thr Val Leu Arg Gln Ala Asp Ser Gln
 843 65 70 75 80
 844 Val Thr Glu Val Cys Ala Ala Thr Tyr Met Thr Gly Asn Glu Leu Thr
 845 85 90 95
 846 Phe Leu Asp Asp Ser Ile Cys Thr Gly Thr Ser Ser Gly Asn Gln Val
 847 100 105 110
 848 Asn Leu Thr Ile Gln Gly Leu Arg Ala Met Asp Thr Gly Leu Tyr Ile
 849 115 120 125
 850 Cys Lys Val Glu Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly
 851 130 135 140
 852 Asn Gly Thr Gln Ile Tyr Val Ile Asp Pro Glu Pro Cys Pro Asp Ser
 853 145 150 155 160
 854 Asp Phe Leu Leu Trp Ile Leu Ala Ala Val Ser Ser Gly Leu Phe Phe
 855 165 170 175
 856 Tyr Ser Phe Leu Leu Thr Ala Val Ser Leu Ser Lys Met Leu Lys Lys

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/383,551B

DATE: 06/25/2001

TIME: 18:52:49

Input Set : A:\Seqlist06501-039001.txt

Output Set: N:\CRF3\06142001\I383551B.raw

L:628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
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L:644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
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L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
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L:694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:865 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:26